

(I)

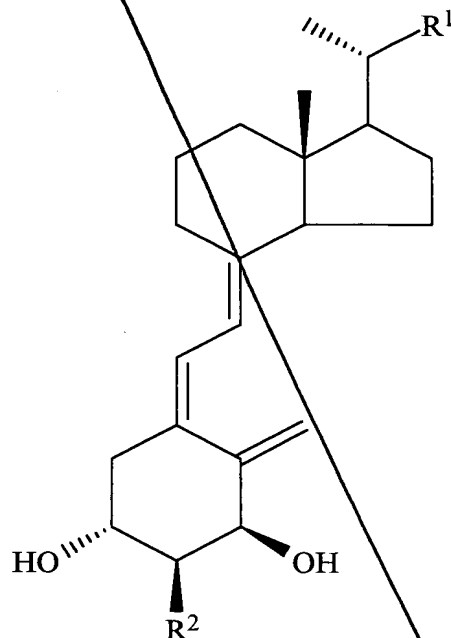
wherein

R¹ represents a saturated aliphatic C₁₋₁₅hydrocarbon group optionally substituted with 1 to 3 hydroxy or protected hydroxy groups; and

R² represents a saturated aliphatic C₂₋₄ alkyl or C₁₋₃ hydroxyalkyl group optionally substituted with one or more substituents, which may be the same or different and which are selected from the group consisting of a hydroxy group, a halogen atom, a cyano group, a lower alkoxy group, an amino group and an acylamino group, provided that when R² represents a saturated aliphatic C₁hydrocarbon group, R² is substituted with at least one substituent.

[Please amend claim 2 as follows:]

2. (Amended) The vitamin D derivative of
claim 1 which is represented by Formula (II):



(II)

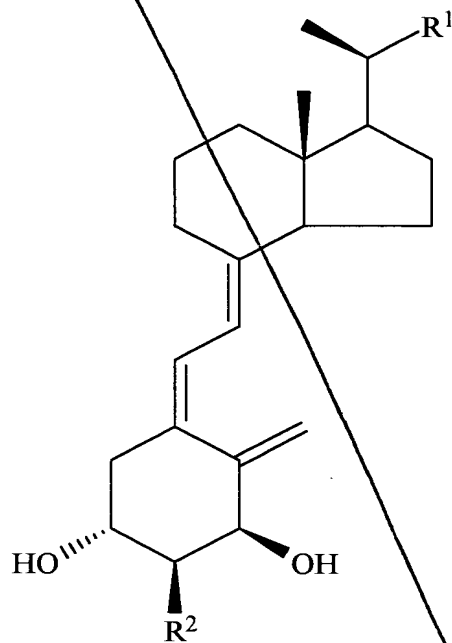
wherein

R¹ represents a saturated aliphatic C₁₋₁₅hydrocarbon group optionally substituted with 1 to 3 hydroxy or protected hydroxy groups; and

R² represents a C₂₋₄ alkyl or C₁₋₃ hydroxyalkyl group optionally substituted with one or more substituents, which may be the same or different and which are selected from the group consisting of a hydroxy group, a halogen atom, a cyano group, a lower alkoxy group, an amino group and an acylamino group, provided that when R² represents a saturated aliphatic C₁hydrocarbon group, R² is substituted with at least one substituent.

[Please amend claim 3 as follows:]

3. (Amended) The vitamin D derivative of
claim 1 which is represented by Formula (III):



wherein

R¹ represents a saturated aliphatic C₁₋₁₅ hydrocarbon group optionally substituted with 1 to 3 hydroxy or protected hydroxy groups; and

R² represents a saturated aliphatic C₂₋₄ alkyl is a C₁₋₃ hydroxyalkyl group optionally substituted with one or more substituents, which may be the same or different and which are selected from the group consisting of a hydroxy group, a halogen atom, a cyano group, a lower alkoxy group, an amino group and an acylamino group, provided that when R² represents a saturated aliphatic

C₁hydrocarbon group, R² is substituted with at least one substituent.

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Contd

[Please amend claim 4 as follows:]

4. (Amended) The vitamin D derivative according to one of claims 1 to 3, wherein R² is a hydroxymethyl group, a hydroxyethyl group, a hydroxypropyl group, an ethyl group, a propyl group, or butyl group.

Please amend claim 6 as follows:

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Subst
C1

6. (Amended) The vitamin D derivative according to claim 1 selected from the group consisting of

(5Z,7E)-(1S,2S,3R,20R)-9,10-seco-5,7,10(19)-cholestatriene-2-hydroxymethyl-1,3,25-triol,

(5Z,7E)-(1S,2S,3R,20R)-9,10-seco-5,7,10(19)-cholestatriene-2-(2'-hydroxyethyl)-1,3,25-triol,

(5Z,7E)-(1S,2S,3R,20R)-9,10-seco-5,7,10(19)-cholestatriene-2-(3'-hydroxypropyl)-1,3,25-triol,

(5Z,7E)-(1S,2S,3R,20R)-9,10-seco-5,7,10(19)-cholestatriene-2-ethyl-1,3,25-triol,

(5Z,7E)-(1S,2S,3R,20R)-9,10-seco-5,7,10(19)-cholestatriene-2-propyl-1,3,25-triol, and

(5Z,7E)-(1S,2S,3R,20R)-9,10-seco-5,7,10(19)-
cholestatriene-2-butyl-1,3,25-triol.

[Please amend claim 8 as follows:]

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8. (Amended) The pharmaceutical composition according to claim 7, wherein the composition includes an effective amount of a vitamin D derivative according to any one of claims 1 to 6 as an active ingredient for a disease associated with abnormal calcium metabolism, an antitumor agent or an immunomodulator.

[Please amend claim 13 as follows:]

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13. (Amended) The pharmaceutical composition according to claim 10, comprising an effective amount of a therapeutic agent for a disease associated with abnormal calcium metabolism, an antitumor agent or an immunomodulator.

[Please amend claim 14 as follows:]

14. (Amended) The pharmaceutical composition according to claim 11, comprising an effective amount of a therapeutic agent for a disease associated with abnormal calcium metabolism, an antitumor agent or an immunomodulator.

[Please amend claim 15 as follows:]

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contd

15. (Amended) The pharmaceutical composition according to claim 12, comprising an effective amount of a therapeutic agent for a disease associated with abnormal calcium metabolism, an antitumor agent or an immunomodulator.
